

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs                          | Default Operator | Plurals | Time Stamp          |
|-------|------|---|------------------------------|------------------|---------|---------------------|
| L2    | 1    | (10/724021).APP.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2010/10/16<br>13:55 |
| L1    | 1    | ("20040204715").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2010/10/16<br>13:08 |
| S515  | 37   | ("1453418"   "2165597"  <br>"2505028"   "4005699"  <br>"4121587"   "4492576"  <br>"4560352").PN. OR<br>("4863072").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2010/10/15<br>18:02 |
| S514  | 13   | ("4391590"   "4472141"  <br>"4492576"   "4801263"  <br>"4863072"   "5083921"  <br>"5199567"   "5267859"  <br>"5364267"   "5464348").<br>PN. OR ("5591027").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2010/10/15<br>18:01 |
| S513  | 37   | ("1453418"   "2165597"  <br>"2505028"   "4005699"  <br>"4121587"   "4492576"  <br>"4560352").PN. OR<br>("4863072").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2010/10/15<br>17:51 |
| S512  | 80   | ("0938544"  <br>"20020049448"  <br>"20020099384"  <br>"20030032964"  <br>"2130305"   "2283915"  <br>"2771217"   "2853070"  <br>"3281023"   "3343539"  <br>"3353718"   "3384274"  <br>"4184490"   "4189065"  <br>"4312343"   "4338925"  <br>"4346708"   "4367739"  <br>"4444560"   "4498904"  <br>"4568335"   "4576152"  <br>"4592745"   "4655749"  <br>"4671263"   "4710172"  <br>"4710179"   "4732302"  <br>"4743230"   "4744955"  <br>"4810249"   "4820287"  <br>"4852768"   "4863072"  <br>"4925449"   "4929238"  <br>"4966601"   "4973318"  <br>"4994065"   "5057078"  <br>"5071040"   "5078690"  <br>"5137514"   "5141495" | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2010/10/15<br>15:57 |

|      |         |  |                              |    |     |                     |
|------|---------|--|------------------------------|----|-----|---------------------|
|      |         | "5160327"   "5183466"  <br>"5284480"   "5290260"  <br>"5300041"   "5339830"  <br>"5472424"   "5591136"  <br>"5599314"   "5603701"  <br>"5618273"   "5638997"  <br>"5656034"   "5728075"  <br>"5743889"   "6019765"  <br>"6019776"   "6033411"  <br>"6383190").PN. OR<br>("6793660").URPN.  |                              |    |     |                     |
| S511 | 3       | ("2004/0030345").URPN.   | USPAT                        | OR | OFF | 2010/10/15<br>15:56 |
| S510 | 3       | ("2003/0195477").URPN.   | USPAT                        | OR | OFF | 2010/10/15<br>15:55 |
| S509 | 32      | ("2994323"   "3884231"  <br>"3900954"   "3955719"  <br>"4236516"   "4392491"  <br>"4795444"   "5129825"  <br>"5320257"   "5346481"  <br>"5413564"   "5489207"  <br>"5827233").PN. OR<br>("6328715").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/15<br>15:52 |
| S508 | 26      | ("3811136"   "3902477"  <br>"3923040"   "4116066"  <br>"4335730"   "4761379"  <br>"4791938").PN. OR<br>("4852584").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/15<br>15:42 |
| S507 | 1571540 | (tube sheath sleeve<br>cannula canula)   | US-PGPUB;<br>USPAT           | OR | OFF | 2010/10/15<br>15:39 |
| S506 | 15      | S505 and (oring o-ring<br>(sealing with ring))   | US-PGPUB;<br>USPAT           | OR | ON  | 2010/10/15<br>15:39 |
| S505 | 70      | (US-20050113736-\$ or US-<br>20050148943-\$ or US-<br>20030233114-\$ or US-<br>20030040718-\$ or US-<br>20020198526-\$ or US-<br>20020072720-\$ or US-<br>20020072712-\$ or US-<br>20040034364-\$ or US-<br>20020002360-\$ or US-<br>20020002354-\$ or US-<br>20030204169-\$ or US-<br>20040133168-\$).did. or<br>(US-4784657-\$ or US-<br>7207973-\$ or US-7081123-<br>\$ or US-6964667-\$ or US-<br>6592555-\$ or US-6391017-<br>\$ or US-6238400-\$ or US-<br>6156054-\$ or US-5997562-<br>\$ or US-5997515-\$ or US-<br>5735813-\$ or US-5554129-<br>\$ or US-5332092-\$ or US-<br>5324273-\$ or US-4838282- | US-PGPUB;<br>USPAT           | OR | OFF | 2010/10/15<br>15:39 |

|      |         |  |                    |    |     |                     |
|------|---------|--|--------------------|----|-----|---------------------|
|      |         | \$ or US-4752287-\$ or US-4173227-\$ or US-6468283-\$ or US-5628753-\$ or US-5562677-\$ or US-6047788-\$ or US-4498904-\$ or US-6814715-\$ or US-6589225-\$ or US-6379333-\$ or US-6328715-\$.did. or (US-6019765-\$ or US-5690674-\$ or US-6245044-\$ or US-6159179-\$ or US-5961499-\$ or US-5766220-\$ or US-5685857-\$ or US-5295994-\$ or US-5171231-\$ or US-4968296-\$ or US-3570485-\$ or US-3312220-\$ or US-6767354-\$ or US-5176649-\$ or US-3539034-\$ or US-5527335-\$ or US-5284474-\$ or US-6699221-\$ or US-6491681-\$ or US-5527298-\$ or US-5957902-\$ or US-4167939-\$ or US-3889661-\$ or US-3132645-\$ or US-7294132-\$ or US-7112205-\$ or US-6814743-\$.did. or (US-6793660-\$ or US-6712831-\$ or US-6409739-\$ or US-6171319-\$ or US-6142998-\$ or US-5944730-\$ or US-5827233-\$ or US-5413564-\$ or US-5346481-\$ or US-5053046-\$ or US-5021059-\$ or US-4236516-\$ or US-4232670-\$ or US-3884231-\$ or US-2431985-\$.did. |                    |    |     |                     |
| S504 | 1842700 | flar\$2 flange\$1 project\$3   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:39 |
| S503 | 201     | (600/184).OCLS.  | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:39 |
| S502 | 322     | (604/164.13).OCLS.   | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:39 |
| S501 | 172     | (604/164.12).OCLS.   | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:39 |
| S500 | 112     | (604/164.09).OCLS.   | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:39 |
| S499 | 241     | (604/164.11).OCLS.   | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:39 |
| S498 | 532     | S497 and taper   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:39 |
| S497 | 1892    | S496 and (syringe scaffold)  | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:39 |

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|------|---------|--|--------------------|----|-----|---------------------|
| S496 | 5956    | S495 and ("606" "604" "623").clas.                 | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:39 |
| S495 | 39383   | S493 same S494                                     | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:39 |
| S494 | 335813  | S491 with S492                                     | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:39 |
| S493 | 202257  | S492 with S488                                     | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:39 |
| S492 | 1728908 | (tube sheath sleeve<br>cannula canula)             | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:39 |
| S491 | 3360477 | insert\$4 introduc\$3                              | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:39 |
| S490 | 31      | S489 same taper                                    | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:39 |
| S489 | 2953    | S487 with S488                                     | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:39 |
| S488 | 1842700 | flar\$2 flange\$1 project\$3                       | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:39 |
| S487 | 33132   | S486 with S485 with S484                           | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:39 |
| S486 | 3360477 | insert\$4 introduc\$3                              | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:39 |
| S485 | 1428163 | shaft rod  | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:39 |
| S484 | 1571540 | (tube sheath sleeve<br>cannula canula)             | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:39 |
| S483 | 1571540 | (tube sheath sleeve<br>cannula canula)             | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:39 |
| S482 | 15      | S476 and (oring o-ring<br>(sealing with ring))     | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:39 |
| S481 | 0       | S476 same (oring o-ring<br>(sealing with ring))    | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:38 |
| S480 | 345     | S479 and (size diameter<br>width \$5meter inch\$2) | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:38 |
| S479 | 543     | S478 not (S471 S469 S467<br>S462 S464)             | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:38 |
| S478 | 543     | (604/232).OCLS.                                    | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:38 |
| S477 | 60      | S476 and (size diameter<br>width \$5meter inch\$2) | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:38 |

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|------|----|--|--------------------|----|-----|---------------------|
| S476 | 70 | (US-20050113736-\$ or US-200501148943-\$ or US-20030233114-\$ or US-20030040718-\$ or US-20020198526-\$ or US-20020072720-\$ or US-20020072712-\$ or US-20040034364-\$ or US-20020002360-\$ or US-20020002354-\$ or US-20030204169-\$ or US-20040133168-\$).did. or (US-4784657-\$ or US-7207973-\$ or US-7081123-\$ or US-6964667-\$ or US-6592555-\$ or US-6391017-\$ or US-6238400-\$ or US-6156054-\$ or US-5997562-\$ or US-5997515-\$ or US-5735813-\$ or US-5554129-\$ or US-5332092-\$ or US-5324273-\$ or US-4838282-\$ or US-4752287-\$ or US-4173227-\$ or US-6468283-\$ or US-5628753-\$ or US-5562677-\$ or US-6047788-\$ or US-4498904-\$ or US-6814715-\$ or US-6589225-\$ or US-6379333-\$ or US-6328715-\$).did. or (US-6019765-\$ or US-5690674-\$ or US-6245044-\$ or US-6159179-\$ or US-5961499-\$ or US-5766220-\$ or US-5685857-\$ or US-5295994-\$ or US-5171231-\$ or US-4968296-\$ or US-3570485-\$ or US-3312220-\$ or US-6767354-\$ or US-5176649-\$ or US-3539034-\$ or US-5527335-\$ or US-5284474-\$ or US-6699221-\$ or US-6491681-\$ or US-5527298-\$ or US-5957902-\$ or US-4167939-\$ or US-3889661-\$ or US-3132645-\$ or US-7294132-\$ or US-7112205-\$ or US-6814743-\$).did. or (US-6793660-\$ or US-6712831-\$ or US-6409739-\$ or US-6171319-\$ or US-6142998-\$ or US-5944730-\$ or US-5827233-\$ or US-5413564-\$ or US-5346481-\$ or US-5053046-\$ or US-5021059-\$ or US-4236516- | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:38 |
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|------|-----|---|------------------------|----|-----|------------------|
|      |     | \$ or US-4232670-\$ or US-3884231-\$ or US-2431985-\$). did.  |                        |    |     |                  |
| S475 | 5   | S463 and (size diameter width \$5meter inch\$2)   | US-PGPUB; USPAT        | OR | ON  | 2010/10/15 15:38 |
| S474 | 9   | S458 and (size diameter width \$5meter inch\$2)   | US-PGPUB; USPAT        | OR | ON  | 2010/10/15 15:38 |
| S473 | 148 | ("0843587"   "2431985"   "2994323"   "3884231"   "3900954"   "3955719"   "4184490"   "4232670"   "4236516"   "4338925"   "4392491"   "4587969"   "4744364"   "4795444"   "4852568"   "4890612"   "4929246"   "5021059"   "5041129"   "5053046"   "5061274"   "5108420"   "5108421"   "5129825"   "5129882"   "5149331"   "5192301"   "5203787"   "5221259"   "5222974"   "5254133"   "5292332"   "5320257"   "5334217"   "5346481"   "5346495"   "5413564"   "5437292"   "5443481"   "5489207"   "5571181"   "5697932"   "5718707"   "5827233"). PN. OR ("5690674"   "6019765"   "6328715"). URP.N. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/10/15 15:38 |
| S472 | 201 | S471 not (S469 S467 S462 S464)  | US-PGPUB; USPAT        | OR | OFF | 2010/10/15 15:38 |
| S471 | 201 | (600/184).CQLS.   | US-PGPUB; USPAT        | OR | OFF | 2010/10/15 15:38 |
| S470 | 310 | S469 not (S467 S462 S464)   | US-PGPUB; USPAT        | OR | OFF | 2010/10/15 15:38 |
| S469 | 322 | (604/164.13).CQLS.  | US-PGPUB; USPAT        | OR | OFF | 2010/10/15 15:38 |
| S468 | 165 | S467 not (S462 S464)  | US-PGPUB; USPAT        | OR | OFF | 2010/10/15 15:38 |
| S467 | 172 | (604/164.12).CQLS.  | US-PGPUB; USPAT        | OR | OFF | 2010/10/15 15:38 |
| S466 | 0   | (604/164.10).CQLS.  | US-PGPUB; USPAT        | OR | OFF | 2010/10/15 15:38 |
| S465 | 105 | S464 not S462   | US-PGPUB; USPAT        | OR | OFF | 2010/10/15 15:38 |
| S464 | 112 | (604/164.09).CQLS.  | US-PGPUB; USPAT        | OR | OFF | 2010/10/15 15:38 |

|      |         |   |                    |    |     |                     |
|------|---------|---|--------------------|----|-----|---------------------|
| S463 | 5       | ("4790819"   "5690674"   "6019765"   "6328715"   "6613074").PN. | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:38 |
| S462 | 241     | (604/164.11).CCLS.  | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:38 |
| S461 | 260     | S459 same (oring o-ring<br>(sealing with ring))                 | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:38 |
| S460 | 23      | S459 and S454   | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:38 |
| S459 | 6098    | S446 same S457  | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:38 |
| S458 | 20      | ((STEVE) near2 (LEPKE)).<br>INV.                                | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:38 |
| S457 | 258898  | S441 with S442  | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:37 |
| S456 | 175     | S448 and S454   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:37 |
| S455 | 175     | S448 and S454   | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:37 |
| S454 | 2121    | (606/108).CCLS.   | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:37 |
| S453 | 1316    | (606/108).CCLS.   | USPAT;<br>USOCR    | OR | OFF | 2010/10/15<br>15:37 |
| S452 | 532     | S450 and taper  | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:37 |
| S451 | 1628    | S450 and diameter   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:37 |
| S450 | 1892    | S449 and (syringe scaffold)                                     | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:37 |
| S449 | 5956    | S448 and ("606" "604"<br>"623").clas.                           | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:37 |
| S448 | 39383   | S446 same S447  | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:37 |
| S447 | 335813  | S441 with S443  | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:37 |
| S446 | 202257  | S443 with S440  | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:37 |
| S445 | 31      | S444 same taper   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:37 |
| S444 | 2953    | S439 with S440  | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:37 |
| S443 | 1728908 | (tube sheath sleeve<br>cannula canula)                          | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:37 |
| S442 | 1528547 | shaft rod   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:37 |
| S441 | 3360477 | insert\$4 introduc\$3   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:37 |

|      |         |  |                    |    |     |                     |
|------|---------|--|--------------------|----|-----|---------------------|
| S440 | 1842700 | flar\$2 flange\$1 project\$3                 | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:37 |
| S439 | 33132   | S438 with S437 with S436                     | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:37 |
| S438 | 3360477 | insert\$4 introduc\$3                        | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:37 |
| S437 | 1428163 | shaft rod                                    | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:37 |
| S436 | 1571540 | (tube sheath sleeve<br>cannula canula)       | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:37 |
| S435 | 2195517 | (shaft tube sheath sleeve<br>cannula canula) | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:37 |
| S434 | 1842700 | flar\$2 flange\$1 project\$3                 | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:36 |
| S433 | 1428163 | shaft rod                                    | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:36 |
| S432 | 1571540 | (tube sheath sleeve<br>cannula canula)       | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:36 |
| S431 | 2195517 | (shaft tube sheath sleeve<br>cannula canula) | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:36 |
| S430 | 172     | (604/164.12).CCLS.                           | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:35 |
| S429 | 112     | (604/164.09).CCLS.                           | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:35 |
| S428 | 241     | (604/164.11).CCLS.                           | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:35 |
| S427 | 65      | S426 not S425                                | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S426 | 99      | S423 with syringe                            | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S425 | 61      | S424 same syringe                            | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S424 | 4027    | S418 with S423                               | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S423 | 27801   | funnel-shap\$3 (funnel adj<br>shap\$3)       | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S422 | 5956    | S421 and ("606" "604"<br>"623").clas.        | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S421 | 39383   | S419 same S420                               | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S420 | 335813  | S417 with S418                               | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S419 | 202257  | S418 with S416                               | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S418 | 1728908 | (tube sheath sleeve<br>cannula canula)       | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |



|      |         |  |                    |    |     |                     |
|------|---------|--|--------------------|----|-----|---------------------|
| S417 | 3360477 | insert\$4 introduc\$3  | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S416 | 1842700 | flar\$2 flange\$1 project\$3   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S415 | 5956    | "S414 and ("606" "604"<br>"623").clas.   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S414 | 39383   | S412 same S413   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S413 | 335813  | S410 with S411   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S412 | 202257  | S411 with S409   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S411 | 1728908 | (tube sheath sleeve<br>cannula canula)   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S410 | 3360477 | insert\$4 introduc\$3  | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S409 | 1842700 | flar\$2 flange\$1 project\$3   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:35 |
| S408 | 1571540 | (tube sheath sleeve<br>cannula canula)   | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:33 |
| S407 | 15      | S401 and (oring o-ring<br>(sealing with ring))   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S406 | 0       | S401 same (oring o-ring<br>(sealing with ring))  | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S405 | 345     | S404 and (size diameter<br>width \$5meter inch\$2)   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S404 | 543     | S403 not (S396 S394 S392<br>S387 S389)   | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:33 |
| S403 | 543     | (604/232).CCLS.  | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:33 |
| S402 | 60      | S401 and (size diameter<br>width \$5meter inch\$2)   | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S401 | 70      | (US-20050113736-\$ or US-<br>20050148943-\$ or US-<br>20030233114-\$ or US-<br>20030040718-\$ or US-<br>20020198526-\$ or US-<br>20020072720-\$ or US-<br>20020072712-\$ or US-<br>20040034364-\$ or US-<br>20020002360-\$ or US-<br>20020002354-\$ or US-<br>20030204169-\$ or US-<br>20040133168-\$).did. or<br>(US-4784657-\$ or US-<br>7207973-\$ or US-7081123-<br>\$ or US-6964667-\$ or US-<br>6592555-\$ or US-6391017-<br>\$ or US-6238400-\$ or US-<br>6156054-\$ or US-5997562- | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:33 |

|      |   |   |                    |    |    |                     |
|------|---|---|--------------------|----|----|---------------------|
|      |   | \$ or US-5997515-\$ or US-5735813-\$ or US-5554129-\$ or US-5332092-\$ or US-5324273-\$ or US-4838282-\$ or US-4752287-\$ or US-4173227-\$ or US-6468283-\$ or US-5628753-\$ or US-5562677-\$ or US-6047788-\$ or US-4498904-\$ or US-6814715-\$ or US-6589225-\$ or US-6379333-\$ or US-6328715-\$).did. or (US-6019765-\$ or US-5690674-\$ or US-6245044-\$ or US-6159179-\$ or US-5961499-\$ or US-5766220-\$ or US-5685857-\$ or US-5295994-\$ or US-5171231-\$ or US-4968296-\$ or US-3570485-\$ or US-3312220-\$ or US-6767354-\$ or US-5176649-\$ or US-3539034-\$ or US-5527335-\$ or US-5284474-\$ or US-6699221-\$ or US-6491681-\$ or US-5527298-\$ or US-5957902-\$ or US-4167939-\$ or US-3889661-\$ or US-3132645-\$ or US-7294132-\$ or US-7112205-\$ or US-6814743-\$).did. or (US-6793660-\$ or US-6712831-\$ or US-6409739-\$ or US-6171319-\$ or US-6142998-\$ or US-5944730-\$ or US-5827233-\$ or US-5413564-\$ or US-5346481-\$ or US-5053046-\$ or US-5021059-\$ or US-4236516-\$ or US-4232670-\$ or US-3884231-\$ or US-2431985-\$).did. |                    |    |    |                     |
| S400 | 5 | S388 and (size diameter width \$5meter inch\$2)   | US-PGPUB;<br>USPAT | OR | ON | 2010/10/15<br>15:33 |
| S399 | 9 | S360 and (size diameter width \$5meter inch\$2)   | US-PGPUB;<br>USPAT | OR | ON | 2010/10/15<br>15:33 |

|      |     |  |                              |    |     |                     |
|------|-----|--|------------------------------|----|-----|---------------------|
| S398 | 148 | ("0843587"   "2431985"  <br>"2994323"   "3884231"  <br>"3900954"   "3955719"  <br>"4184490"   "4232670"  <br>"4236516"   "4338925"  <br>"4392491"   "4587969"  <br>"4744364"   "4795444"  <br>"4852568"   "4890612"  <br>"4929246"   "5021059"  <br>"5041129"   "5053046"  <br>"5061274"   "5108420"  <br>"5108421"   "5129825"  <br>"5129882"   "5149331"  <br>"5192301"   "5203787"  <br>"5221259"   "5222974"  <br>"5254133"   "5292332"  <br>"5320257"   "5334217"  <br>"5346481"   "5346495"  <br>"5413564"   "5437292"  <br>"5443481"   "5489207"  <br>"5571181"   "5697932"  <br>"5718707"   "5827233").<br>PN. OR ("5690674"  <br>"6019765"   "6328715").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/10/15<br>15:33 |
| S397 | 201 | S396 not (S394 S392 S387<br>S389)  | US-PGPUB;<br>USPAT           | OR | OFF | 2010/10/15<br>15:33 |
| S396 | 201 | (600/184).CQLS.  | US-PGPUB;<br>USPAT           | OR | OFF | 2010/10/15<br>15:33 |
| S395 | 310 | S394 not (S392 S387<br>S389)   | US-PGPUB;<br>USPAT           | OR | OFF | 2010/10/15<br>15:33 |
| S394 | 322 | (604/164.13).CQLS.   | US-PGPUB;<br>USPAT           | OR | OFF | 2010/10/15<br>15:33 |
| S393 | 165 | S392 not (S387 S389)   | US-PGPUB;<br>USPAT           | OR | OFF | 2010/10/15<br>15:33 |
| S392 | 172 | (604/164.12).CQLS.   | US-PGPUB;<br>USPAT           | OR | OFF | 2010/10/15<br>15:33 |
| S391 | 0   | (604/164.10).CQLS.   | US-PGPUB;<br>USPAT           | OR | OFF | 2010/10/15<br>15:33 |
| S390 | 105 | S389 not S387  | US-PGPUB;<br>USPAT           | OR | OFF | 2010/10/15<br>15:33 |
| S389 | 112 | (604/164.09).CQLS.   | US-PGPUB;<br>USPAT           | OR | OFF | 2010/10/15<br>15:33 |
| S388 | 5   | ("4790819"   "5690674"  <br>"6019765"   "6328715"  <br>"6613074").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2010/10/15<br>15:33 |
| S387 | 241 | (604/164.11).CQLS.   | US-PGPUB;<br>USPAT           | OR | OFF | 2010/10/15<br>15:33 |
| S386 | 260 | S384 same (oring o-ring<br>(sealing with ring))  | US-PGPUB;<br>USPAT           | OR | ON  | 2010/10/15<br>15:33 |

|      |         |  |                    |    |     |                     |
|------|---------|--|--------------------|----|-----|---------------------|
| S385 | 23      | S384 and S380                          | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:33 |
| S384 | 6098    | S372 same S383                         | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S383 | 258898  | S367 with S368                         | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S382 | 175     | S374 and S380                          | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S381 | 175     | S374 and S380                          | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:33 |
| S380 | 2121    | (606/108).COLS.                        | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:33 |
| S379 | 1316    | (606/108).COLS.                        | USPAT;<br>USOCR    | OR | OFF | 2010/10/15<br>15:33 |
| S378 | 532     | S376 and taper                         | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S377 | 1628    | S376 and diameter                      | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S376 | 1892    | S375 and (syringe scaffold)            | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S375 | 5956    | S374 and ("606" "604"<br>"623").clas.  | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S374 | 39383   | S372 same S373                         | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S373 | 335813  | S367 with S369                         | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S372 | 202257  | S369 with S366                         | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S371 | 31      | S370 same taper                        | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S370 | 2953    | S365 with S366                         | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S369 | 1728908 | (tube sheath sleeve<br>cannula canula) | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S368 | 1528547 | shaft rod                              | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S367 | 3360477 | insert\$4 introduc\$3                  | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S366 | 1842700 | flar\$2 flange\$1 project\$3           | US-PGPUB;<br>USPAT | OR | ON  | 2010/10/15<br>15:33 |
| S365 | 33132   | S364 with S363 with S362               | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:33 |
| S364 | 3360477 | insert\$4 introduc\$3                  | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:33 |
| S363 | 1428163 | shaft rod                              | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:33 |

|      |         |  |                    |    |     |                     |
|------|---------|--|--------------------|----|-----|---------------------|
| S362 | 1571540 | (tube sheath sleeve cannula cannula)       | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:33 |
| S361 | 2195517 | (shaft tube sheath sleeve cannula cannula) | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:33 |
| S360 | 20      | ((STEVE) near2 (LEPKE)).<br>INV.           | US-PGPUB;<br>USPAT | OR | OFF | 2010/10/15<br>15:33 |

**EAST Search History (Interference)**

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